

19990811.qrp v01_n545.qrl.990811

Date: Wed, 11 Aug 1999 19:03:06 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1545

QRP-L Digest 1545

Topics covered in this issue include:

- 1) [47295] Western Florida QRP Club (WestFLA) Meeting Announcement
by "Stephen D. Cohen" <scohen@xps.xybion.com>
- 2) [47296] Re: EE texts, farewell to QRP-L
by david fouchey <dafouchey@home.com>
- 3) [47297] Call for Fox Team members.
by Monte Stark <ku7y@dri.edu>
- 4) [47298] Re: QRP-L digest 1544
by Anthony Felino <anthony@pacinfosb.com>
- 5) [47299] DX
by "Ron Polityka" <wb3aal@talon.net>
- 6) [47300] Re: ARRL Tech Info Web Pages
by Pete Burbank <plburbank@kih.net>
- 7) [47301] Modern Electronics Textbooks FS
by "Ken Simpson" <W8EK@fdt.net>
- 8) [47302] 2N2/40 Boards
by Bob Hightower <ki7mn@extremezone.com>
- 9) [47303] RE: Transmission Line Questions
by Torell Kent-P12255 <Kent_Torell-P12255@email.mot.com>
- 10) [47304] QRP-L CD Version 3.0
by "Chuck Adams K7Q0" <adams@ticnet.com>
- 11) [47305] RE: Transmission Line Questions
by "Chuck Adams K7Q0" <adams@ticnet.com>
- 12) [47306] Quality pulleys on sale at West Marine
by "Adam B. Kanis" <akanis@divis17.ped-gen.uiowa.edu>
- 13) [47307] Re: ARRL Tech Info Web Pages
by Bruce Grubbs <bog@flagstaff.az.us>
- 14) [47308] FS: Alpha Delta Outbase Tripod & Outbacker Perth
by "Kory Hamzeh" <kory@avatar.com>
- 15) [47309] Re: RS telephone Interference Filter 43-150
by Clay N4AOX <wyn@worldnet.att.net>
- 16) [47310] Re: BNC's for RG8 and "D" punches
by Clay N4AOX <wyn@worldnet.att.net>
- 17) [47311] Re: QRP-L digest 1544
by "Randy Jouett" <rules@bellsouth.net>
- 18) [47312] Re: RS telephone Interference Filter 43-150
by "Hugo Catta" <h.catta@worldnet.att.net>
- 19) [47313] Re: Hi gain wires:LOVE STERBA

- by S LYON <sslyon@worldnet.att.net>
- 20) [47314] Re posting post
by RangerSF5@aol.com
- 21) [47315] Re: Sterba
by S LYON <sslyon@worldnet.att.net>
- 22) [47316] Re: [Hallicrafters SR-46 info/opinion please...]
by Roy Lincoln <wa4dou@usa.net>
- 23) [47317] Receiver Kits etc.
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 24) [47318] Re: ARRL Tech Info Web Pages
by S LYON <sslyon@worldnet.att.net>
- 25) [47319] Re: ARRL Tech Info Web Pages
by Clay N4AOX <wyn@worldnet.att.net>
- 26) [47320] UA3AJ on 14.060 MHz
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 27) [47321] Hotwater Handbook
by "Randall K. Kennard" <Firefox@Southwind.Net>
- 28) [47322] Re: Transmission Line Questions
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 29) [47323] Jade Address = Thanks, Everyone :-)
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 30) [47324] Re: QRP-L CD Version 3.0
by Barry J Minsky <w2bj@juno.com>
- 31) [47325] Re: A wire wrap question
by herr@ridgecrest.ca.us (Michael Herr)
- 32) [47326] Re: QRP-L CD Version 3.0
by Phil Wheeler <w7ox@mindspring.com>
- 33) [47327] Fw: [HeathKit] HW-7 For Sale
by "Randy Jouett" <rules@bellsouth.net>
- 34) [47328] Plug-n coil sockets - searching for
by n5ib@juno.com
- 35) [47329] Re: Transmission Line Questions
by Bob Edwards <w4ed@gis.net>
- 36) [47330] Re: Quality pulleys on sale at West Marine
by "Adam B. Kanis" <akanis@divis17.ped-gen.uiowa.edu>
- 37) [47331] Re: Plug-n coil sockets - searching for
by Stanley Wilson <microres@crl.com>
- 38) [47332] Re: Hotwater Handbook
by "William R. Colbert" <af852@rgfn.epcc.edu>
- 39) [47333] Re: ARRL Tech Info Web Pages
by "Rod Cerkoney" <rlw@frie.com>
- 40) [47334] Re: Transmission Line Questions
by Zack Lau <zlu@arrl.org>
- 41) [47335] Addr verification
by "Rod, N0RC" <rlw@frie.com>
- 42) [47336] Re: Addr verification
by ARDUJENSKI@aol.com
- 43) [47337] FW: Virus Alert - Bill Gates Joke Worm (fwd)

- by Bruce Rattray <rattray@gpfn.sk.ca>
- 44) [47338] Re: Transmission Line Questions
by Zack Lau <zlau@arrl.org>
- 45) [47339] Re: ARRL Tech Info Web Pages
by Phil Wheeler <w7ox@mindspring.com>
- 46) [47340] Query/Proposal
by Rod Cercone <rlc@frii.com>
- 47) [47341] Re: Query/Proposal
by GElam30092@aol.com
- 48) [47342] Re: Query/Proposal
by Jeff Davis <jeff@n9avg.org>
- 49) [47343] Y2K contest announcement
by jaywa5whn@juno.com
- 50) [47344] 2N2/40 Boards
by Bob Hightower <ki7mn@extremezone.com>
- 51) [47345] Simple, usable DF setup?
by Ed Loranger <we6w@qsl.net>
- 52) [47346] Virus Alert: "Bill Gates Joke" Varified
by DENNISMO@aol.com
- 53) [47347] RE: Virus Alert: "Bill Gates Joke" Varified
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 54) [47348] RE: Y2K contest announcement
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 55) [47349] Wien Bridge Oscillator
by "Brad Hernlem" <alihernlem@hotmail.com>
- 56) [47350] Source for low value trimmer caps?
by Paul Erickson <paule@sfu.ca>
- 57) [47351] Re: Virus Alert: "Bill Gates Joke" Varified
by Ted Beach <k4mkx@netzero.net>
- 58) [47352] Re: Transmission Line Questions
by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
- 59) [47353] FS: Yaesu FT890 with 400hz CW filter
by Danh Le <dle@san-jose.tt.slb.com>
- 60) [47354] Re: Source for low value trimmer caps?
by Stanley Wilson <microres@crl.com>
- 61) [47355] Bulk gel-cell trickle charging.
by Ed Loranger <we6w@qsl.net>
- 62) [47356] Re: Source for low value trimmer caps?
by Ted Beach <k4mkx@netzero.net>
- 63) [47357] Wire / Rope Ant update
by hamjoel@juno.com
- 64) [47358] WTB: Communication Quarterly and QEX
by Bill Cotter <bcotter@pop.uky.edu>
- 65) [47359] Paddlette Door Prize at Tuthill
by Bob Hightower <ki7mn@extremezone.com>
- 66) [47360] RE: Virus Alert: "Bill Gates Joke" Varified
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 67) [47361] DSW Enclosure Delay-Mia Culpa! (sp?)

- by "Doug Hauff" <slmachco@fix.net>
- 68) [47362] Re: Query/Proposal
by Dave Sjolin <sjolin@swbell.net>
- 69) [47363] Russian callbook
by charles k brown <n4so@juno.com>
- 70) [47364] W1RFI/0
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
- 71) [47365] SST Howl Solved
by elawson@lr.net (Ed Lawson)
- 72) [47366] Re: DSW Enclosure Delay-Mia Culpa! (sp?)
by Rod Cerkoney <rw@frie.com>
- 73) [47367] Re: Maintaining QRP Motivation - DX
by Jim Hale <kj5tf@yahoo.com>
- 74) [47368] RE: NC20 power connector
by "Kory Hamzeh" <kory@avatar.com>
- 75) [47369] [Handi-Hams] 2m HT for person with poor finger dexterity?
by Scott Howell <showell@hq.nasa.gov>
- 76) [47370] A ground plane too far....
by Chris Cartwright Sr <ccart@phideaux.com>
- 77) [47371] Hambrew Magazine Trade
by "Chuck Adams K7Q0" <adams@ticnet.com>
- 78) [47372] Clandestine transmitter? No, that's just my PEECEE.
by "Bob Duckworth" <wb4mnf@atl.org>
- 79) [47373] low value caps
by "Mel Evans, Registered Arachne User" <mel@euramcom.freemove.co.uk>
- 80) [47374] Q, losses etc
by barry kirkwood <bjk@ihug.co.nz>
- 81) [47375] FW: Free RF chokes and inductors
by Donald Jones <djones@ckc.com>
- 82) [47376] STILL CAN'T FIND SOURCE FOR NEW MIZUHO HF QRP XCVR EQPT !
by K2YEW@aol.com
- 83) [47377] Re: ARRL Tech Info Web Pages
by Dean W Manley <kh6b@juno.com>
- 84) [47378] OT: Bright White LEDs
by John Evans - N0HJ <jae@codenet.net>
- 85) [47379] Re: Source for low value trimmer caps?
by "Larry Przyborowski" <lprzy@erols.com>
- 86) [47380] Re: plug-in coil sockets
by n5ib@juno.com

Date: Tue, 10 Aug 1999 18:48:03 -0400
From: "Stephen D. Cohen" <scohen@xps.xybion.com>
To: qrp-l@lehigh.edu
Cc: w4dug@onelist.com, sdcohen@gte.net
Subject: [47295] Western Florida QRP Club (WestFLA) Meeting Announcement
Message-ID: <199908102301.TAA77412@nss4.cc.lehigh.edu>

MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Ladies and Gentlemen,

Boy is this announcement late! The second meeting of the Western Florida QRP Club (WestFLA) will be held this Saturday, the 14th of August at the Tampa Amateur Radio Club (TARC) clubhouse in Tampa, FLA. The meeting will begin about 10 AM local time (1400 UTC) and will end when everybody has had enough.

The meetings are run on the NorCal structure, or put another way, without structure. Folks just turn up and show off their projects, or put them on the air (The TARC clubhouse has a tri-bander and a GAP Vertical) or lie about the DX that got away or show off pictures of the grand-kids or get help aligning a radio or whatever. Someone will bring donuts and coffee will be provided (somehow). The TARC facility is nice this way, as they have a full kitchen.

For directions to the TARC clubhouse, simply have a look at:

<http://www.qsl.net/westfla>

You will find a link there to the TARC web page and directions to the clubhouse. The web page also has some pictures from our first meeting, if you would like to get a feel for how they run. If you are interested in attending and you are web challenged, just drop us a line at westfla@qsl.net and we will e-mail directions your way.

I will bring a signal generator, counter and oscilloscope, so if you need help aligning a recent project or debugging something, we will have the correct tools. I can probably even be of some help myself, though I suspect that Mike Maiorana will be more helpful in most debugging ventures. Either way, we can provide some help.

I'll also bring along the club QRP reference library (all of the QRP Quarterlies back to 1995). This library was generously donated by the ARP ARCI to help us get started.

I am also planning on beginning the construction of my DSW-20 radio from Small Wonders Labs during the meeting. So if you are interested in the DSW series, or getting into kit building, this is your chance. I'll also bring along my Weller WCPR (??) soldering station for those that are wondering what they look like and how

they handle.

As for door prizes, I am afraid we do not (yet) have the volume that we had for the first meeting. We will, however, have one 38 Special kit. I bought it at Dayton two years ago, and am simply never going to get around to building it. Since it is worth more to me to have a good local QRP group than the \$35,000 asking price seen on QRP-L lately, I'm going to offer it up as a door prize. Hopefully others will bring items that are excess to their needs to give away as well.

Now you know what *I'm* going to bring, what are you going to bring? (<- Rhetorical question alert, please do not post reply to QRP-L). Well, enough blathering, it's time to get this message out to the world. Hope to see you on Saturday.

73,

Steve, N30IE

P.S. I may also bring my SWL WM-20, if anybody is interested in QRP SSB.

Stephen D. Cohen
Engineering Manager
Xybion Corporation, Sensor Positioning Systems
11528 53rd Street North
Clearwater, FLA 33760-4825
scohen@xybion.com

Date: Tue, 10 Aug 1999 19:50:00 -0400
From: david fouchey <dafouchey@home.com>
To: k7gt@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [47296] Re: EE texts, farewell to QRP-L
Message-ID: <37B0BAA8.360E3472@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well since you asked

Circuits Signals and Systems, William McC. Seibert MIT Press
ISBN 0-262-19229-2 (MIT Press)
ISBN 0-07-057290-9)McGraw Hill)

And yes it went over MY head but seeing as how you are a Physics type,
should fit right up your alley.

Dave
WA4EMR/8

Allan G Taylor wrote:

>
> There was not much response to my recent post. But... here is what I
> did receive.
>
> Horowitz and Hill, The Art of Electronics was recommended as a good
> Electronics reference
>
> Bernard Grob, Basic Electronics, 8th ed
> Hardcover 8th edition (December 1996)
> Glencoe McGraw Hill; ISBN: 002802253X
> was recommended by KF4VOP from his student days
>
> Sedra and Smith's "Microelectronic Circuits", 4th Ed is highly
> recommended by VA3VNS at the Univ of Toronto.
>
> No recommendations were received for a book on network/circuit
> analysis. I guess it is just not anyone's favorite thing to do <vb>...
>
> Another item:
>
> I will be monitoring QRP-L very little, if at all, over the next
> several months. Instead, I will be up to my neck in preparing and
> teaching both a math and physics class at the local j.c. (Las Positas
> College, Livermore CA) in addition to my day job banging bits and bytes
> at LLNL. I still hope to get on the air from time to time in addition to
> finishing the plethora of incomplete projects (K2, SW40 or two, SST/20m)
> but QRP-L will be off just to survive!
>
> If you hear me on the air, QRP or QRO, please give me a shout. I might
> even bump into Chuck with his 950 mW sig now that he is going to be
> closer to grid square CM97!
>
> 73, never anything less, to all my friends!
>
> Allan K7GT
>
> home email: k7gt@qsl.net

>

 $\succ$

>

>

| /z | \

```
> k7gt@arrl.net
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/ | /599 | \

DXCC and WAS 40/cw

/ _ | / _ _ _ _ | _ \

<http://www.qsl.net/k7gt>

```
> ...QRO, QRP, or barefoot..... [\---=====-/
```

> ~~~~~

From: Monte Stark <ku7y@dri.edu>

Subject: [47297] Call for Fox Team members.

Message-ID: <Pine.GS0.4.10.9908101636070.16762-100000@rotor.dri.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Attention all mW'ers.....

Chuck, K7QO and myself, Ron, KU7Y are putting together a fox catching team.....

No power over 0.95 watts to be used.

If you need more power than that to work a fox this is not the team for you.....

You must have a 7 area call and live in the 7 area.....

We are in this only for the fun.....but beware....the blood might flow..... :-)

After getting the team together we will settle on a name.....maybe mW Fox Killers.....or mW.....

I think we can only have 4....that means the first 2 that dare..... :-)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 10 Aug 99 16:31:40 -0800
From: Anthony Felino <anthony@pacinfosb.com>
To: qrp-l@Lehigh.EDU, rules@bellsouth.net
Subject: [47298] Re: QRP-L digest 1544
Message-ID: <Chameleon.934329380.anthony@anthony>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Randy,
I saw your post on using a regen for a transmitter. I'm not saying that it can't be done, but having tried similar things, I can tell you it won't be easy. I am a big fan of low-parts-count equipment (see my Hamcomm contest regen at <http://www.thebest.net/wuggy/fetgen.htm>), but the problem is always that the simpler a rig is, the more difficult it is to operate. Also, the simpler, the more difficult adjustment is. This makes it difficult for beginning hams to operate or even get working something that they can build. There are good compromises.

The difficulty with your scheme is that a regenerative detector is very sensitive to loading. Whatever scheme you use for switching from transmit to receive will change the loading on the resonator quite a bit, shifting the frequency. This will require a pretty sophisticated frequency switching scheme as well. The operator will have to have another receiver or frequency counter around to adjust this. The proposed transmitter would be an oscillator driving an amplifier, which is always difficult to do. RF from the amplifier tends to get into the oscillator and shift the frequency. That's why a transmitter whose oscillator runs at the transmit frequency must be buffered and shielded (or otherwise carefully laid out) to avoid frequency shift.

I have actually been working on a similar gadget. I have a program that I wrote years ago that plays text files in morse code on a PC, and operates one of the pins on the parallel port as well as the speaker. I built a colpitts oscillator at 525KHz that runs off the 5V logic level from the parallel port. No battery or external power. So I play text files from Project Gutenberg, which is attempting to get all the world's literature into ascii files, and with a little receiver I can "read" in bed with the lights out so as not to disturb XYL and

get code practice also. My plan is to set up the oscillator as a
regen RX as in your scheme so I can have 2-way comm with the computer.
At the low frequency I'm using it may work, but already I can see lots
of problems.

Good Luck and keep me posted,
WN6Q

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com, afelino@eng.delcoelect.com
telephone: (805) 730 1565, x25
fax: (805) 730 1569

Date: Tue, 10 Aug 1999 20:24:29 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [47299] DX
Message-ID: <05a201bee38f\$e16b80e0\$71e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just worked a SP3BLP with 5 watts on 14.019 and
a vertical. He gave me a 559. The band is open at
Aug. 11 @ 00:24 UTC.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal #	Zombie #625
ARS # 380	Bumblebee #15

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>

Date: Tue, 10 Aug 1999 20:25:58 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [47300] Re: ARRL Tech Info Web Pages
Message-ID: <3.0.32.19990810202555.00737fd8@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear Ed, W1RFI
Thanks for your efforts and I ALWAYS read your posts. Many people badmouth the ARRL and I wonder who they work for etc and who pays the rent. Onward through the fog!!!
vy 73/72/88
Pete NV4V vvvvvvvvvvv

Date: Tue, 10 Aug 1999 20:32:58 -0400
From: "Ken Simpson" <W8EK@fdt.net>
To: "QRP List" <qrp-1@lehigh.edu>
Subject: [47301] Modern Electronics Textbooks FS
Message-ID: <05fe01bee391\$10794a60\$7897fea9@kensimps>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I realize this is not exactly QRP, but there has been a little discussion about various textbooks.

Here are some that are good, that I have for sale.
All are currently in use at various colleges.
They are all Associate Degree (Technician) level.

Basic Electronics by Grob - 8th edition - 1997 - \$ 30

Electronic Principles by Malvino - 6th edition - 1999 - \$ 30

Electric Circuit Fundamentals and Electronics Fundamentals -

3rd edition by Floyd - 1995 - \$ 30

Electronic Devices and Circuits by Hassul and Zimmerman -
Conventional Flow version - includes student workbook
I think this is a 1998 copyright, but it is still in shrink-wrap, and
I do not want to unwrap it to find out for sure. \$ 30

Digital Electronics by Uffenbeck - 1994 \$ 28

Prices do not include shipping from Florida. All books
are new. By the way, most of these are large, heavy
books, weighing about 6 pounds each.

E-mail to W8EK@fdt.net

Thanks.

73,

Ken, W8EK

Ken Simpson
E-Mail to W8EK@fdt.net
Voice Phone (352) 732-8400

Date: Tue, 10 Aug 1999 17:37:18 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: qrp-l@lehigh.edu
Subject: [47302] 2N2/40 Boards
Message-ID: <199908110037.RAA29560@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The run of 2N2/40 boards have all been sold. I am still getting requests
for them, and if there is enough interest, I'll run some more. Please
e-mail privately, or, if you definitely want one, send a check for \$5.00,
payable to me, to 1905 N. Pennington Drive, Chandler, AZ 85224-2632.

Sorry to say that there are no more crystals, but you can get them from Mouser.

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

Date: Tue, 10 Aug 1999 17:50:05 -0700
From: Torell Kent-P12255 <Kent_Torell-P12255@email.mot.com>
To: "'qrp-1'" <qrp-1@lehigh.edu>
Subject: [47303] RE: Transmission Line Questions
Message-ID: <6D3B40A2556FD2118B0D0008C7BA848CBBEC11@az25exm01.geg.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Joel asks:

Date: Tue, 10 Aug 1999 08:08:37 -0500
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>

I have two questions which I'm hoping someone on this list knows the answer to:

(1) What is the loss, in dB/100 ft, of a transmission line of tightly clamped (parallel) No. 16 H Thermaleze wire?

.... parallel transmission line has a characteristic impedance based on the spacing of the wire. $Z_0 = 83 + 276 \cdot \log_{10}(D/d)$, where D is spacing and d is wire diameter, and D is much greater than d. This will be effected by any dielectric between them. If the wires are laying next to each other, separated by insulation and no air, it gets complicated. The actual equation, good for close spacing, is

$$Z_0 = \cosh^{-1} (D/d)$$

Note that a spacing of 0.1 gives around 60 ohms. The dielectric will reduce the impedance by $1/\sqrt{\epsilon}$, where ϵ is the dielectric constant. This ranges from 2 for teflon to 6 for polyurethane varnish. (I'm open to correction on this... :-)

As for loss, the attenuation is strictly related to the resistivity of the conductor. The cross section is determined by the skin depth (function of freq.) and the circumference of the wire conductor. Hence, bigger diameter wire is lower loss. Number 16 wire is 0.051 inch in diameter. Copper skin effect depth at 100 MHz is 0.00035 inches; this varies as $1/(\sqrt{\text{freq}}/100 \text{ MHz})$. As an example, the 450 ohm twinlead uses #18 wire spaced about 1 inch. At 100 MHz, it has a loss of about 0.3 dB per 100 feet.

(2) What happens to the characteristic impedance of a transmission line when you change from two tightly clamped parallel wires to two tightly twisted wires of the same wire type?

.... The impedance should drop, as the capacitance between the wires will increase, but not by much.

Kent Torell AB70A p12255@email.mot.com Motorola SSG
480-675-2003(phone) 480-441-8400 (fax)

Date: Tue, 10 Aug 1999 19:54:37 -0500
From: "Chuck Adams K7Q0" <adams@ticnet.com>
To: qrp-l@lehigh.edu
Subject: [47304] QRP-L CD Version 3.0
Message-ID: <E11ELUw-00013c-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

The estimated release date of this version of the
QRP-L Archive CD ROM Version 3.0 is mid-September.

But this is only after the burners that got stiffed
by some people from the list for \$10 get paid. No release
until and if they do not then I will post their names
to the list. You have been warned. If you promised
to pay and did not, now is the time to get the check/MO
into the mail.

This release is even more jam packed with info related
to QRP than the last, so let's not spoil it for everyone.
Get the money ready gang.....

No follow up thread needed on who or why....

FYI

Chuck Adams K7Q0/5 adams@ticnet.com <http://www.qsl.net/k7qo/>

Date: Tue, 10 Aug 1999 19:59:15 -0500
From: "Chuck Adams K7Q0" <adams@ticnet.com>
To: Kent_Torell-P12255@email.mot.com
Cc: qrp-1@lehigh.edu
Subject: [47305] RE: Transmission Line Questions
Message-ID: <E11ELZQ-0001q4-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

On 10 Aug 99, at 17:50, Torell Kent-P12255 wrote:

--SNIP---

> > (2) What happens to the characteristic impedance of a transmission line when
> you change from two tightly clamped parallel wires to two tightly twisted
> wires of the same wire type?
> The impedance should drop, as the capacitance between the wires will
> increase, but not by much.
>
> Kent Torell AB70A p12255@email.mot.com Motorola SSG
> 480-675-2003(phone) 480-441-8400 (fax)
>

There will be some added inductance due to the small coil formed by the twisting of each wire, so Kent is correct in that the impedance will not change by much. I have a way to measure this and will attempt to do so by Friday, but no promises....

And the phrase "tightly twisted" needs to be quantitized by # turns/meter.

FYI

Chuck Adams K7Q0/5 adams@ticnet.com <http://www.qsl.net/k7qo/>

Date: Tue, 10 Aug 1999 20:05:49 -0500 (CDT)
From: "Adam B. Kanis" <akanis@divis17.ped-gen.uiowa.edu>
To: qrp-1@lehigh.edu
Subject: [47306] Quality pulleys on sale at West Marine
Message-ID: <Pine.LNX.4.04.9908101958280.20525-100000@divis17.ped-gen.uiowa.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi.

Got a sale flyer from West Marine. If you're looking for really nice pulleys (they call them "Blocks"), some are on sale for 25% off. The ones that hams would be interested in range from US \$7.94 - \$11.91 (model #'s 539262, 188559, 188567).

If you don't already know, pulleys are real useful for putting up (and taking down) wire antennas. good quality ones won't rust, and the rope won't jam between the wheel and the sheave.

I've used them (the pulleys and West Marine) and i've been very happy with them. Of course, there's not much else i'm going to need to buy from west marine being landlocked here in Iowa . . .

--adam, ak0p
adam-kanis@uiowa.edu

Date: Tue, 10 Aug 1999 18:10:44 -0700
From: Bruce Grubbs <bog@flagstaff.az.us>
To: w1rfi@arrl.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [47307] Re: ARRL Tech Info Web Pages
Message-ID: <3.0.5.32.19990810181044.00a52950@mail.infomagic.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Looks really good, Ed. Thanks for all the work.

72

Bruce, N7CEE
DM45ee
Flagstaff, Arizona USA
bog@flagstaff.az.us

Date: Tue, 10 Aug 1999 18:35:41 -0700
From: "Kory Hamzeh" <kory@avatar.com>
To: <qrp-1@lehigh.edu>
Subject: [47308] FS: Alpha Delta Outbase Tripod & Outbacker Perth
Message-ID: <005e01bee399\$d2ace440\$14ce21c7@tomcat.avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All,

I have a brand new Alpha Delta Outbase tripod for sale. Its about 2 months old and I've used it twice. I have the original box and manual. The price is \$150 plus shipping.

I also have an Outbacker Perth which does 80m to 10m. I bought it used, but it is in good condition. I can't remember how much I paid for it, so all reasonable offers will be considered.

Thanks & 73,
Kory
AC6RN

Date: Tue, 10 Aug 1999 21:39:06 -0400
From: Clay N4AOX <wyn@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [47309] Re: RS telephone Interference Filter 43-150
Message-ID: <37B0D415.165F@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed Hare, W1RFI wrote:
>
> RangerSF5@aol.com wrote:
>
> > In a message dated 8/9/99 9:19:58 PM EST, k5xu@concentric.net writes:
>
> > << Does it really filter anything other than the contents of my wallet? >>
>
> > Thats about all it will filter
>
> On what basis do you say that?

Perhaps he used the basis if trying it, and it did not work? See the explanation below.

filters varies from "The ARRL Laboratory Engineers have received reports from the field that the effectiveness of these installation to installation, possibly dependent on the exact nature of resonances, impedances and system reactances. Many of these factors are hard to predict, so be prepared to experiment with several different manufacturers' filters in difficult cases."

72/73,
Clay N4AOX

Date: Tue, 10 Aug 1999 21:51:10 -0400
From: Clay N4AOX <wyn@worldnet.att.net>
To: Karl.Kanalz@optelinc.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [47310] Re: BNC's for RG8 and "D" punches
Message-ID: <37B0D70E.3C0A@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Karl.Kanalz@optelinc.com wrote:

>
> For a "simple" 3/8-inch hole, such as that for a BNC
> chassis-mount connector, you can use a 3/8-inch sheet metal
> drill (available at places like Home Depot, etc.) and get a nice,
> round, nearly burr-free hole for a LOT less than a Greenlee
> punch!
>
> Karl K - W8TIF
> McKinney, Texas
>
>

My experience has been that such connections NEVER COME LOOSE, as Ed states, until the worst possible condition like 20 miles from the nearest screwdriver and soldering iron. Cyclical torque and reverse torque, and cable strain from making BNC or UHF plug connections will eventually loosen all but the best single hole bulkhead connectors. If at all possible, it is better to use the 4-40 (4) bolt pattern bulk head connectors. They are available both in UHF and BNC style.

72/73,
Clay N4AOX

Date: Tue, 10 Aug 1999 21:01:13 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: "Anthony Felino" <anthony@pacinfosb.com>, <qrp-1@Lehigh.EDU>
Subject: [47311] Re: QRP-L digest 1544
Message-ID: <00f901bee39d\$aa4546b0\$af66d6d1@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Anthony Felino <anthony@pacinfosb.com>
To: qrp-1@Lehigh.EDU <qrp-1@Lehigh.EDU>; rules@bellsouth.net <rules@bellsouth.net>
Date: Tuesday, August 10, 1999 6:53 PM
Subject: Re: QRP-L digest 1544

>Randy,
>I saw your post on using a regen for a transmitter. I'm not
>saying that it can't be done, but having tried similar things,
>I can tell you it won't be easy.

I kinda' figured that it wouldn't be easy :^). Getting a Re-Gen
to oscillate, as many can attest, is a simple thing to do :^).
What I was thinking about was this:

- 1) Put a small-value variable cap in circuit with the main tuning cap.
- 2) Tune the main dial to a CW station calling CQ.
- 3) Turn the small variable until it oscillates, shut of the phones/speaker,
 flip a switch (this could be done with a relay), and answer the CQ.
 The loading will probably shift the frequency, but a good operator
 will tune around when calling CQ and he'll probably hear you (?).
- 4) Tune the small variable back to the original position. Good luck
 with this one!!! :^). It should be just before the point of oscillation.
- 5) May the Lord help you if the other op decides to move a bit :^).

Yes, this could be tiresome or tough to do, but I think that it would
"kinda" work. I know that it would work with micro-controller watching
everything, but that would be overkill, and you'd probably be better
off with a decent DC or super-het receiver :^).

>I am a big fan of low-parts-count
>equipment (see my Hamcomm contest regen
>at <http://www.thebest.net/wuggy/fetgen.htm>,)
>but the problem is always that the simpler a rig is, the more
>difficult it is to operate. Also, the simpler, the more difficult
>adjustment is. This makes it difficult for beginning
>hams to operate or even get working something that they can build.
>There are good compromises.

Thanks for the URL. I'll give it a shot later on tonite and take
a look at the schematic and what not, Anthony.

I can see where "the simpler a rig, the more difficult it is to operate"
comes into play with Regens -- that's for sure! Hmmm. Then how
about designing a rig like that to be "Extra or Class A" only? :^) :^).

>The difficulty with your scheme is that a regenerative detector is
>very sensitive to loading. Whatever scheme you use for switching
>from transmit to receive will change the loading on the resonator
>quite a bit, shifting the frequency. This will require a pretty
>sophisticated frequency switching scheme as well. The operator
>will have to have another
>receiver or frequency counter around to adjust this. The proposed
>transmitter would be an oscillator driving an amplifier, which is
>always difficult to do. RF from the amplifier tends to get into
>the oscillator and shift the frequency. That's why a transmitter
>whose oscillator runs at the transmit frequency must be buffered
>and shielded (or otherwise carefully laid out) to avoid frequency shift.

Gotcha'. Sounds like things could get complicated here in a hurry,
and that would be far away from the original design goal. Oh, well.

>I have actually been working on a similar gadget. I have a program that
>I wrote years ago that plays text files in morse code on a PC, and
>operates one of the pins on the parallel port as well as the speaker.
>I built a colpitts oscillator at 525KHz that runs off the 5V logic
>level from the parallel port. No battery or external power. So
>I play text files from Project Gutenberg, which is attempting to get
>all the world's literature into ascii files, and with a little receiver
>I can "read" in bed with the lights out so as not to disturb XYL and
>get code practice also. My plan is to set up the oscillator as a
>regen RX as in your scheme so I can have 2-way comm with the computer.
>At the low frequency I'm using it may work, but already I can see lots
>of problems.

Sounds like a neat project! I also wrote a code-playing program on the Amiga around 10 years ago. I used to download the alt.jokes newsgroups and played em' in the background while I was hacking out some assembly routines for a SCADA system that we were designing. Some newbie would always walk by my office and ask the others at work who that weird dude was that listens to Morse code and busts out laughing." When they answered "Your boss" and busted out laughing themselves, I knew the newbie had to be asking about my code-practice system :^). If was a great way to increase my code speed, though, if not a bit weird :^).

This gave me another idea. How about a program that reads and plays a file, adds fading, QRN, and static crashes, and would be used for weak-signal work, as in copying QRP stations on a rough band? That would be kinda' cool.

Date: Tue, 10 Aug 1999 22:15:59 -0400
From: "Hugo Catta" <h.catta@worldnet.att.net>
To: <w1rfi@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [47312] Re: RS telephone Interference Filter 43-150
Message-ID: <00ee01bee39f\$74cab720\$6b134f0c@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> On what basis do you say that? I have tested the filters and found that
> they offer about 30 dB of common-mode rejection on HF.

I thought that those filter where designed like the K-COMs, for differential mode rejection.

The two cases of Telephony RFI I suffered in the past, where the differential mode and no common mode "treatment" did anything.

If you tried one
> and it didn't work, there could have been other factors involved.

>

> See <http://www.arrl.org/tis/info/rfite1.html> for some info on telephone
> interference.

>
> 73,
> Ed Hare, W1RFI
>

72, 73
Hugo
CX9AAK/W2

Date: Tue, 10 Aug 1999 22:22:35 -0400
From: S LYON <sslyon@worldnet.att.net>
To: mhogan@email.msn.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [47313] Re: Hi gain wires:LOVE STERBA
Message-ID: <37B0DE6B.8CF3FE9D@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-had 'em on 17m & 15m at the old qth and LOVED them! Of course I also
had the trees to hang them in. For 20 you'll need about 150' stretch and
about 75' height to really make it sing, but don't give up if you only
have 60'!! I recommend ladderline feed thru tuner.

72
-s-

Mark Hogan wrote:

>
> So I'm looking for a better 20m signal and wonder what the group thinks
> about a sterba array for 20. I have not done the math, so I don't know if I
> even have enough room for one.
> Also has anyone out there used the MFJ1793 (I think thats the vert with
> 80/40/20 in it). I'm thinking a 40m vertical would be a nice signal.
> I have a pipe mast 45' tall, I wonder if a gamma match might work on that?
> Trying to maximize my SST and NC20.
>
> Mark Hogan/ N50BC

--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31

QRP-L 574 ARCI 9253

Date: Tue, 10 Aug 1999 22:30:52 EDT
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [47314] Re posting post
Message-ID: <d67e3445.24e23a5c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Gang,
I responded to the phone RFI and my 2 cents on the RS filters.
If you want to beat the topic to death, please leave my name off the reflector
Thank You
Bob
WA2HQrp <tm>

Date: Tue, 10 Aug 1999 22:35:06 -0400
From: S LYON <sslyon@worldnet.att.net>
To: Peter Wotherspoon <peter.c.wotherspoon@Hydro.ON.CA>, qrp chat <qrp-l@Lehigh.EDU>
Subject: [47315] Re: Sterba
Message-ID: <37B0E15A.D6385801@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Peter, STERBA is an over/under array of stacked 1/2 wave ants, side-by-side, four of them! or, like four Lazy H's. According to the ARRL HANDBOOK they provide 12dbd -and I believe it. The bottom elements like to be up 1/2 wave for max lo-angle prop., but don't let that stop you. Real easy to make if you batch process the elements and phasing sections. It took me an afternoon for one once I got the hang of it. One more pair of hands helps a LOT. Good club project.

72
-s-

Peter Wotherspoon wrote:
>
> Seab
> Tell me about the basics of sterba.

> I would really like to put one up.
> I have the room.
> Thanks
> Peter
> ve3gyy

--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: 10 Aug 99 22:33:03 EDT
From: Roy Lincoln <wa4dou@usa.net>
To: weinfurt@oak.cats.ohiou.edu, Low Power Amateur Radio Discussion <qrp-
l@Lehigh.EDU>
Subject: [47316] Re: [Hallicrafters SR-46 info/opinion please...]
Message-ID: <19990811023303.14566.qmail@nwcst322.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi Greg,
I had an SR-46 in the 1970-71 timeframe. As i remember it, it was a 6 m=
eter
3 watt, am rig, with a tunable receiver and crystal controlled transmitt=
er,
and a vibrator power supply for mobile operation from 12v. d.c. as well a=
s 115
v.a.c. I used it in conjunction with a 2 element homemade quad at 20 or 2=
5
feet and worked lots of stuff with it on single hop Es.

Only you can answer the question whether you want to bother to try to g=
et it
working or if it is even worth trying. There is a little activity on 6 me=
ter

AM but its heyday has come and gone. Most activity is SSB and some CW.

Someone will probably take me to task for this comment but you found it=
in
the junkyard probably because the last owner thought that was where it
belonged. I'd forget it myself, but thats just one persons opinion.

GL es 73 de Roy Lincoln WA4DOU

=

=

=

=

Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu> wrote:=

Hi gang,

I just recently came across an Hallicrafters SR-46 rig at the local junk yard. It is without tubes

Date: Wed, 11 Aug 1999 12:35:38 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [47317] Receiver Kits etc.
Message-ID: <37B0E17A.8AE042E@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I've had the following request to include on my site as a project. Many of you have existing kits/projects and I would prefer to refer writer directly to you.

Please let me know directly if you can help.

David Cunningham wrote:

> How about a simple, cheap and cheerful superhet circuit, for 160m and
> 80m, with coil winding details, using common bipolar transistors such
> as 2N2222's and no fancy passive mixers or xtal filters. Most receiver
> designs I have seen do not quote coil winding details, and those that
> do suggest amidon XYZ-123 cores, rather than the 4mm plastic coil
> formers which can often be salvaged from dismantled radio equipment
> and fill my junkbox. I have no problems making IF amplifiers, etc, but
> have had problems getting the RF tuning and local oscillator coils to
> track correctly over the band, and would welcome some practical
> advice. Best wishes from David.

--
73's

Ian Purdie

VK2TIP "I'll give you the TIP mate"

Budgewoi N.S.W. Australia

Tel: 61 + 2 + 4399 3228 (2200 - 0800 U.T.C. please.)

QRP-L member #1978.

URL - <http://www.integritynet.com.au/~purdic/>

URL - <http://www.qsl.net/vk2tip/>

"Three out of five Web experts agree that frames are the work of the devil and represent all that is evil about the Web. The remaining two experts are agnostic and think that frames are just a stupid idea" -

Date: Tue, 10 Aug 1999 22:47:00 -0400

From: S LYON <sslyon@worldnet.att.net>

To: w1rfi@arrl.net

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [47318] Re: ARRL Tech Info Web Pages

Message-ID: <37B0E424.913C5850@worldnet.att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

R-E-A-L-L-Y NICE, ED!

Great job on the re-formatting -much more accessible/navigable. I look forward to the ant. stuff, especially. Thanks for the effort on our behalf 73 -s-

Ed Hare, W1RFI wrote:

>

> Hi, guys and gals.

>

> The ARRL Tech Info Web pages were just updated and reformatted. Take

--

'Seab' Lyon - AA1MY

Beacon NY USA FN-31

QRP-L 574 ARCI 9253

Date: Tue, 10 Aug 1999 22:44:27 -0400

From: Clay N4AOX <wyn@worldnet.att.net>

To: qrp-l@lehigh.edu

Subject: [47319] Re: ARRL Tech Info Web Pages

Message-ID: <37B0E38B.77E6@worldnet.att.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed Hare, W1RFI wrote:

>
> Hi, guys and gals.
>
> The ARRL Tech Info Web pages were just updated and reformatted. Take a
> look at <http://www.arrl.org/tis/> and tell me what you think.
>
Great site! Thanks to all the ARRL members who originally contributed
the information and/or paid for assembling, republishing, and posting it
there.

72/73,
Clay N4AOX

Date: Tue, 10 Aug 1999 21:53:27 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: "QRP-L Distribute" <qrp-l@Lehigh.EDU>
Subject: [47320] UA3AJ on 14.060 MHz
Message-ID: <003101bee3a4\$b0944000\$e337a497@aa5tb>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Anin, UA3AJ near Moscow is on again tonight (abt 0250 UTC) working QRP
stations on 14.060 MHz. He has a good stable 539 signal here in Texas with
his 20 watts and 3 element Yagi-Uda.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

Date: Tue, 10 Aug 1999 22:01:15 -0500
From: "Randall K. Kennard" <Firefox@Southwind.Net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [47321] Hotwater Handbook
Message-ID: <37B0E77B.980B4CA6@Southwind.Net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone have a copy of the " Hotwater Handbook " for Heathkit products or any books on mods for the Heathkit HW-8 for sale ?
I already tried Kanga and got no response.
thanks

Randall

Date: Tue, 10 Aug 1999 22:11:25 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: <Kent_Torell-P12255@email.mot.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [47322] Re: Transmission Line Questions
Message-ID: <003801bee3a7\$337e2060\$e337a497@aa5tb>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

"As for loss, the attenuation is strictly related to the resistivity of the conductor."

Kent,

Excellent post.

Quick question...

Wouldn't the loss factor of the dielectric also contribute to the overall loss of the feedline? I thought this was a significant factor in coaxial cable, ex. foam versus solid or air dielectric performance.

Thanks.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs

<http://home.swbell.net/aa5tb>

Date: Tue, 10 Aug 1999 23:10:25 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [47323] Jade Address = Thanks, Everyone :-)
Message-ID: <199908102313_MC2-8087-8CCA@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
 charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Gang:

Thanks for the great number of useful responses to my question. What a great group :-). Please forgive me for not responding individually to all who wrote.

72,
--Doc Lindsey/K0EVZ
 DSBF
 PO BOX 6028
 Bismarck, ND 58506
 70511.3041@compuserve.com

Date: Tue, 10 Aug 1999 23:10:20 -0400
From: Barry J Minsky <w2bj@juno.com>
To: adams@ticnet.com
Cc: qrp-l@Lehigh.EDU
Subject: [47324] Re: QRP-L CD Version 3.0
Message-ID: <19990810.231949.-146345.0.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wow! It is hard to believe that fellow hams would fail to pay when others have donated their time and skills to help others.

On Tue, 10 Aug 1999 19:54:37 -0500 "Chuck Adams K7Q0" <adams@ticnet.com>
writes:

>
>
> Gang,
>
> The estimated release date of this version of the
> QRP-L Archive CD ROM Version 3.0 is mid-September.
>
> But this is only after the burners that got stiffed
> by some people from the list for \$10 get paid. No release
> until and if they do not then I will post their names
> to the list. You have been warned. If you promised
> to pay and did not, now is the time to get the check/MO
> into the mail.
>
> This release is even more jam packed with info related
> to QRP than the last, so let's not spoil it for everyone.
> Get the money ready gang.....
>
> No follow up thread needed on who or why....
>
> FYI
>
>
> Chuck Adams K7Q0/5 adams@ticnet.com <http://www.qsl.net/k7qo/>

72/73,

Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century
Club #569, Platinum #51, FISTS CW Club of Coastal Georgia, Knightlites,
Adventure Radio Society #359,
Six Club #151, QCWA #29298, OOTC #3723
Amateur Radio Missionary Service

Date: Tue, 10 Aug 1999 20:57:34 -0700 (PDT)
From: herr@ridgecrest.ca.us (Michael Herr)
To: qrp-l@lehigh.edu
Subject: [47325] Re: A wire wrap question
Message-ID: <v01530519b3d64251cfe9@[208.138.142.104]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I want to thank everyone who responded about the wire wrapping of
components directly. Everyone pretty much agreed on the wrapping of

the component lead, really should be soldered! I should have explained that this is an experimental design at the moment, part of a low air speed data probe for parachute testing. Low parts count so is a wire wrap natural.

I've used wire wrap before very successfully on a number of air drop vehicles without a problem.

The tech in question said he knew wire wrap technique but then had never heard of a dip header before and didn't know / couldn't find the pin out of a 2N3904 (No,

I'm not making this up). I'm sending him back to do it right.

TNX es Vy 72

Mike WA6ARA

Date: Tue, 10 Aug 1999 21:14:04 -0700
From: Phil Wheeler <w7ox@mindspring.com>
To: w2bj@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [47326] Re: QRP-L CD Version 3.0
Message-ID: <37B0F88C.A0264307@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Barry J Minsky wrote:

>
> Wow! It is hard to believe that fellow hams would fail to pay when
> others have donated their time and skills to help others.
>

More than a bit strange; but I did send a check up front: Good policy to ask for that, I guess.

Phil

Date: Tue, 10 Aug 1999 23:16:44 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [47327] Fw: [HeathKit] HW-7 For Sale
Message-ID: <002701bee3b0\$552cc820\$2667d6d1@spock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Saw this on the Heath reflector and thought some of you might
like to see this message.

72/73,

Randy Jouett, AB5NI

-----Original Message-----

From: John Grow <jgrow@dsuper.net>
To: heathkit@qth.net <heathkit@qth.net>
Date: Tuesday, August 10, 1999 9:39 PM
Subject: [HeathKit] HW-7 For Sale

>Hello to all,
>A while back I listed a HW-7 transceiver for sale. Its still available, the
>unit is clean, non smoker, case and front panel, knobs dial is great. The
>only mod is two switches mounted on the back for a CW filter. The manual is
>not original, but a photocopy, and it is not the complete builders manual.
>The radio is a very good QRP radio. Regards,
>John
>
>---
>Submissions heathkit@qth.net
>

Date: Wed, 11 Aug 1999 00:21:32 EDT
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [47328] Plug-n coil sockets - searching for
Message-ID: <19990810.231229.4767.10.N5IB@juno.com>

I still have the plug-in coils from my first (non crystal set) Rx - a
Knight Kit Ocean Hopper. The Hopper has, alas, gone to that great junque

boxe in the sky. But I've decided I'd like to build a solid state regen using those coils - trouble is - they require the large 5 pin socket.

Does anyone have one they'd part with for \$\$ or trade?

72

Jim N5IB

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Wed, 11 Aug 1999 05:57:11 -0400
From: Bob Edwards <w4ed@gis.net>
To: aa5tb@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [47329] Re: Transmission Line Questions
Message-ID: <37B148F7.C7C5ECBA@gis.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

"Steve Yates, AA5TB" wrote:

>....

> Wouldn't the loss factor of the dielectric also contribute to the overall
> loss of the feedline?

You bet. I made several 145 mhz 1/4 Q sections ranging from 50 to 450 ohms that are used in 2m antler experiments. The worst Q section (highest loss by a factor of two and lowest Q) was a twisted pair of # 18 electrical hookup wire with an unknown poly type insulation. The loss was measured by putting two in series then reading the reduced power at the 50 ohm load.

--

	/
Bob 72/73	/
email, w4ed@amsat.org	/K2 \
http://www.qsl.net/w4ed	/ / 21 \
nr Atlanta, GA EM73wt	/_ /_ __ __\
~~~~~	[\-----/

---

Date: Wed, 11 Aug 1999 06:00:39 -0500 (CDT)  
From: "Adam B. Kanis" <akanis@divis17.ped-gen.uiowa.edu>

To: qrp-1@lehigh.edu  
Subject: [47330] Re: Quality pulleys on sale at West Marine  
Message-ID: <Pine.LNX.4.04.9908110557030.20869-100000@divis17.ped-gen.uiowa.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

oops. did it again. forgot the web URL and the tel # for West Marine  
(pulleys on sale 25% off):

<http://www.westmarine.com>

1-800-262-8464 (= 1-800-BOATING)

--adam, ak0p

Adam B. Kanis, AK0P  
adam-kanis@uiowa.edu QTH: Wellman, IA (Near Iowa City) EN41ck  
--- ARRL:RSGB:QRP-ARCI:GQRP:QRP-L:NorCal:Iowa QRP:SEITS ---  
** On the web at <http://genome33.ped-gen.uiowa.edu/hamradio> **

-----  
Date: Wed, 11 Aug 1999 04:48:05 -0700 (PDT)  
From: Stanley Wilson <microres@crl.com>  
To: n5ib@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [47331] Re: Plug-n coil sockets - searching for  
Message-ID: <Pine.SUN.3.91.990811044404.29043A-100000@crl.crl.com>  
Mime-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Antique Electronic Supply , Tempe, AZ, 800-706-6789 has 5 pin sockets and  
I expect most of the parts you would need to build a tube version.

There tube prices are a little higher than you can get on the web, but most  
of the other stuff which is new or NOS seems about right in price. They  
have a lot of books which are re-prints.

-----  
Date: Wed, 11 Aug 1999 05:58:52 -0600  
From: "William R. Colbert" <af852@rgfn.epcc.edu>  
To: Firefox@Southwind.Net, qrp-1@lehigh.edu  
Subject: [47332] Re: Hotwater Handbook  
Message-ID: <37B1657C.88053EF0@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

As I get the list digest mode, don't know if you have  
had response to your query, but if not, try the ARCI  
toy store page at: <http://www.tir.com/~k8dd/thetoystore.htm>  
which has the hw handbook listed.  
73

--

"Politicians are like nappies. Both should be  
changed regularly -- and for the same reason"  
"Scotsman - Scotsman's Diary 12/97"

-----  
Ray Colbert, W5XE, OOTC 3618, SOWP 1064M NCT2  
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

-----  
Date: Wed, 11 Aug 1999 06:12:42 -0600  
From: "Rod Cerkoney" <rwc@frii.com>  
To: <w1rfi@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [47333] Re: ARRL Tech Info Web Pages  
Message-ID: <011701bee3f4\$82b9e9a0\$428711d8@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Ed:

The new Tech Info pages look great. Thanks for the effort.

---  
72/3 Rod, NØRC  
da di dah

----- Original Message -----  
From: Ed Hare, W1RFI <w1rfi@arrl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Tuesday, August 10, 1999 1:51 PM  
Subject: ARRL Tech Info Web Pages

> Hi, guys and gals.  
>  
> The ARRL Tech Info Web pages were just updated and reformatted. Take a  
> look at <http://www.arrl.org/tis/> and tell me what you think.  
>  
...

-----  
Date: Wed, 11 Aug 1999 08:41:29 -0400  
From: Zack Lau <zlau@arrl.org>  
To: qrp-l@lehigh.edu  
Subject: [47334] Re: Transmission Line Questions  
Message-ID: <37B16F79.11953669@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

LLINE is a simulation of 30.48 meters of  
LMR-400 with dielectric loss set to zero.  
SLINE is the simulation matching cable specs.  
MLINE is the simulation matching my lab data.

Dielectric loss is negligible at HF but really  
becomes a factor at 13 cm and higher.

--Zack W1VT  
Compact Software - ARRL Radio Designer 1.5 11-AUG-99 08:31:09  
File: C:\ARRL\LMR400.CKT

Freq	MS21	MS21	MS21
GHz	dB	dB	dB
	LLINE	SLINE	MLINE
0.050	-0.85	-0.86	-0.85
0.144	-1.44	-1.49	-1.46
0.220	-1.78	-1.85	-1.82
0.222	-1.79	-1.86	-1.83
0.432	-2.49	-2.63	-2.61
0.450	-2.54	-2.69	-2.67
0.900	-3.60	-3.88	-3.89
0.903	-3.60	-3.89	-3.90
1.296	-4.32	-4.73	-4.77
1.500	-4.65	-5.12	-5.17
2.000	-5.36	-6.00	-6.09

2.304 -5.76 -6.49 -6.61  
2.500 -6.00 -6.79 -6.93  
2.700 -6.23 -7.09 -7.24

-----  
Date: Wed, 11 Aug 1999 07:13:04 -0600  
From: "Rod, N0RC" <rlwc@frii.com>  
To: <Lowpowerdx@egroups.com>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [47335] Addr verification  
Message-ID: <013e01bee3fb\$4c2bfc00\$428711d8@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Folks:

Back to well again. Last night worked UA3AJ NR Moscow. (14060, 5W). Search  
various sites that I learned about from all of you I find only one listing:

ARS UA3AJ  
ANIN S KARASEV  
D FOMINO 61  
142500 PAVLOVSKY POSAD  
RUSSIA

Found it at K4UTE site via K3WWP's web site. It's dated 1997. Does anybody  
have something more current?

This one is important to me. Anin camped out on 14060 and worked one QRPer  
after another! I sat though 4 or 5 QSO's waiting my turn at bat. SO--I want  
to arrange for a 1000mi/W certificate to be sent to Anin. I think he'd enjoy  
it.

Many thanks to all of you who have helped me get on to all this DX QSL info  
over the past months.

---  
72/3 Rod, N0RC  
da di dah  
-----

Date: Wed, 11 Aug 1999 09:23:28 EDT  
From: ARDUJENSKI@aol.com  
To: rwc@frii.com, owner-qrp-l@lehigh.edu, qrp-l@lehigh.edu  
Subject: [47336] Re: Addr verification  
Message-ID: <668f7a77.24e2d350@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Take a look at WWW.DXBANDS.COM. It has a whole group of CALL BOOKS. Super site for info...Alan KB7MBI

-----  
Date: Wed, 11 Aug 1999 07:26:10 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [47337] FW: Virus Alert - Bill Gates Joke Worm (fwd)  
Message-ID: <Pine.LNX.3.95.990811072409.9953C-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

This just came in from our computer gurus, so thought I'd pass it on folks...it has been verified that it is legit.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

> -----  
> From: McCormick, Garth  
> Sent: Tuesday, August 10, 1999 4:47 PM  
> To: kelsey; Wascana; Woodland; PALLISER; Admin_offices  
> Subject: Virus Alert - Bill Gates Joke Worm  
>  
> We have just became aware of another internet e-mail worm that is  
> apparently making it's rounds. We've verified that the following  
> information is accurate.  
>  
> If you receive a message with a subject line of "Bill Gates Joke" , do not  
> open  
> it. Delete it immediately. The message contains an attachment called  
> MONOPOLY.VBS. Once launched, the attachment will display the following  
> graphic:  
> (Embedded image moved to file: pic16161..pcx)

> The attachment will also:  
> send itself to to all addresses in Outlook address books  
> send system information to the following email addresses:  
>  
> monopoly@mixmail.com  
> monpooly@telebot.com  
> mooponly@ciudad.com.ar  
> mloponoy@usa.net  
> yloponom@gnwmail.com.  
>  
> This information includes your computer name, region, language, version,  
> start  
> page for Internet Explorer and the contents of your Outlook address book  
>  
> If you have already received this e-mail virus, please contact your local  
> client services office for assistance in removal of the virus. For more  
> information about the virus you can check  
> <http://vil.nai.com/vil/vbs10234.asp>  
> Garth  
>  
> -----  
> Garth McCormick email: mccormick@siastr.sk.ca  
> Manager, Client Services phone: (306) 933-5003  
> Information Resources fax: (306) 933-8214  
> Saskatchewan Institute of Applied Science and Technology (SIAST)  
> 400 119 4th Ave South  
> Saskatoon, SK S7K 5X2  
>  
>

-----  
Date: Wed, 11 Aug 1999 09:42:33 -0400  
From: Zack Lau <zlau@arrl.org>  
To: qrp-l@lehigh.edu  
Subject: [47338] Re: Transmission Line Questions  
Message-ID: <37B17DC8.EE6663DD@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

<http://www.timesmicrowave.com/products/commercial/selectguide/general/general2.htm>  
LMR-400 specifications  
-----

Date: Wed, 11 Aug 1999 07:44:34 -0700  
From: Phil Wheeler <w7ox@mindspring.com>  
To: rwc@frii.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [47339] Re: ARRL Tech Info Web Pages  
Message-ID: <37B18C52.262D1A2@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Rod Cerkoney wrote:

>  
> Hi Ed:  
>  
> The new Tech Info pages look great. Thanks for the effort.  
>

But did you find the QRP link?

Phil

-----  
Date: Wed, 11 Aug 1999 09:22:25 -0600  
From: Rod Cerkoney <rwc@frii.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [47340] Query/Proposal  
Message-ID: <19990811092225.06849@frii.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I've always thought it a nice courtesy to make an effort to great non-native language speakers in there own language. So, Does anyone know of a phrase book that has simple phrases and greetings in multiple languages? Things like Hello, Good-bye, Please, Thank You...etc. that I could use on QSL cards distended to DX OPs.

If such a thing does not exist; How about we make one? Within QRP-L and the lowpowerdx mailing lists, I believe we have the resources to pull something together. I'll offer to do the compilation/editing.

First we need a phrase list, here are a few I can think of:

Hello



Greetings  
Sincerely  
Please  
Thank You  
Nice to meet you

Send your suggestions to me.

Second, we need to settle on some languages:

French  
German  
English ( real English, not American ;-))  
Russian  
Spanish  
Swedish  
Italian  
Slovenian  
??

What others are needed?

Third, we need the translations. If you are skilled in one or more of the proposed languages please send me what you can.

So what do you think good idea, bad idea?

--

72/3 NØRC  
Rod Cerkoney  
Fort Collins, CO  
QRP-L #1764, NorCal, QRP ARCI, CQC & FISTS  
da di dah

-----  
Date: Wed, 11 Aug 1999 11:35:13 EDT  
From: GElam30092@aol.com  
To: rwc@frii.com, qrp-l@lehigh.edu  
Subject: [47341] Re: Query/Proposal  
Message-ID: <50d1fc63.24e2f231@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

In a message dated 8/11/1999 8:23:33 AM US Mountain Standard Time,  
rwc@frii.com writes:

<< If such a thing does not exist; How about _we_ make one? Within QRP-L and the lowpowerdx mailing lists, I believe we have the resources to pull something together. I'll offer to do the compilation/editing. >>

I've used an Alta-Vista site with good success. Take a look at

<http://babelfish.altavista.digital.com/cgi-bin/translate?>

It will convert English to Spanish, Portuguese, French, German and Italian and back.

I have responsibility for Latin America in my position. In fact, I'll be in Mexico and Brazil starting late next week. (Should I take the DSW-40 with me? What are the ramifications? Any advice?)

I've used this site to translate a message to a Brazilian friend who immediately called me and wanted to know how I got so proficient in Portuguese in just one weekend. (It was a set-up..... told her I was taking a class on the prior Friday.) I just told her it was a long weekend and I worked very hard. The message was sent to her on a Monday. She bought my line for about 5 minutes too.

Anyway, YMMV.....

Cheers,

Gerry Elam, K1LRO

PHX AZ

"Ham Radio and old Land Rovers.... get there and talk to the world!"

-----  
Date: Wed, 11 Aug 1999 10:39:07 -0500  
From: Jeff Davis <jeff@n9avg.org>  
To: Rod Cercone <rwc@frii.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [47342] Re: Query/Proposal  
Message-ID: <19990811103907.B24024@n9avg.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Quoting Rod Cercone (rwc@frii.com) [990811 09:22]:

> I've always thought it a nice courtesy to make an effort to great  
> non-native language speakers in there own language. So, Does anyone know  
> of a phrase book that has simple phrases and greetings in multiple  
> languages? Things like Hello, Good-bye, Please, Thank You...etc. that I  
> could use on QSL cards distended to DX OPs.

>  
> If such a thing does not exist; How about _we_ make one? Within QRP-L  
> and the lowpowerdx mailing lists, I believe we have the resources to  
> pull something together. I'll offer to do the compilation/editing.

For starters, you could look at:

<http://babelfish.altavista.com/>

Type in a word, phrase, (or an entire URL if you want to convert an entire Web site) and what language you'd like it converted to and like magic, it will convert it for you. This should be a good start toward a list of words or phrases.

I have found it to be very accurate for translating a single word or phrase.

--

72 de Jeff, N9AVG

-----  
Date: Wed, 11 Aug 1999 10:11:22 -0600  
From: jaywa5whn@juno.com  
To: qrp-l@lehigh.edu  
Cc: jaywa5whn@juno.com, jparker@fix.net, ki7mn@extremezone.com, w5vbo@primenet.com  
Subject: [47343] Y2K contest announcement  
Message-ID: <19990811.101130.-388463.0.jaywa5whn@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

On Jan. 1, 1900 there was no QRP contest, computers or us. In fact, there were only telegraph lines. Well, some of us are about to see that date again.

Thanks to W5VBO, who had single handedly turned back the Canadian Government's clocks 12 hours during the 1999 ARRL Field Day contest and with the input from the fireside crowd @ Ft. Tuthill there will be a Y2K QRP contest on Jan. 1, 1900, plus or minus 876,588 hours.

Are you confused?

Jan. 1, 2000 @ 1200 UTC to 2400 UTC {So our Canadian friends can participate.} ; -)

.  
Operate 8 hours out of the 12 hours. If you like, operate all 12 hours,

but I will be looking for the best 8 hours time period. Hint: it would be helpful to me if you would mark what you think is your best 8 hours period on the copy of the logs.

Modes: CW/PSK-31/SSB/FM {The use of bbs's, digipeaters, repeaters will not count as contacts. This is a person to person contest.}

Frequencies: Any band that you are licensed to use, excluding the WARC bands. Hint: There will probably be a whole bunch of us near the QRP calling frequencies.

Multipliers:

AC commercial main power {X 2} {Thanks to KI6DS for this suggestion.}

DC power {X1} {battery, solar panels, generators, etc.}

5 watts or less {X2}

more than 5 watts {X1}

Exchange:

RST, SPC {State, Province, Country} AC/DC {The last part of this exchange may confuse some of you in the geographical NorCal. This only pertains to power classification, not some kinky activity.} :-)

For example;

number of contacts X 2 {AC} or X 1 {DC} X number of SPCS X power multiplier {QRP X 2} = total

Stn: W5VBO 365 contacts X 2 {AC} X 57 SPCs {50 US States, 5 Canadian Provinces, 2 countries {US & Canada}} X 2 {QRP pwr} = 83,220 points

Call "CQ Y2K" on the bands.

The exchange should look something like this;

W5VBO de WA5WHN 599 NM AC K

WA5WHN de W5VBO 599 AZ DC K

Hi Brian, did the Canadian Royal Mounties find you? {If a few QSOs should happen to take place during the contest period, it's not our fault.}

Relax, you are not going to be visited by Publisher's Clearing House if you should win. Stay at home, enjoy the fire in the hearth and operate.

Email, or US Mail a copy of your logs, comments and claimed scores to WA5WHN {callbook US Mail address} or wa5whn@hotmail.com. All email and US Mail copy of logs should be at my QTH by Feb. 1, 2000.

Prizes: None.

Results will be posted on QRP-L or whatever it evolves into after Jan. 1, 2000.

The decisions of "The Judges" will be final. Questions?

72...Jay, WA5WHN {Who can not wait for  
"Bubba" & "QRP AField".} DM65qd Albuquerque, NM USA

---

Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

---

Date: Wed, 11 Aug 1999 09:11:54 -0700  
From: Bob Hightower <ki7mn@extremezone.com>  
To: qrp-l@lehigh.edu  
Subject: [47344] 2N2/40 Boards  
Message-ID: <199908111614.JAA08183@enterprise.extremezone.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

The run of 2N2/40 boards have all been sold. I am still getting requests for them, and if there is enough interest, I'll run some more. Please e-mail privately, or, if you definitely want one, send a check for \$5.00, payable to me, to 1905 N. Pennington Drive, Chandler, AZ 85224-2632.

Sorry to say that there are no more crystals, but you can get them from Mouser.

NOTE: Jim Kortge sent me the following:

>I can and will still provide sets of matched crystals to anyone who  
>wants them also. A matched set of 3, along with the 2 L0 crystals is  
>\$10.00. Sets with more matched crystals are also available, but at  
>a higher cost.

So, there is a source for the crystals.

Reminder, this board is not your typical circuit board...no holes, no traces, just a ground bus with the layout screened on it. Manhattan style construction. You'll need to get the parts from your favorite supplier.

Please hold on to your checks, and just give me a commitment for the board so I know how much material to get. I'll post when I'm ready to take 'real' orders.

As usual, profits go to the Ft Tuthill Symposium fund.

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

-----  
Date: Wed, 11 Aug 1999 09:35:10 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: qrp-l@lehigh.edu  
Subject: [47345] Simple, usable DF setup?  
Message-ID: <37B1A63E.118B@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi gang. As a former military radio direction finder, and one who really enjoyed that job, I've always kept this project somewhere in the back of my mind.

Anyway, I've recently moved this project up. It seems valuable amidst all the unknown QRM found at the new QTH, perhaps I'd have fun locating it.

The expensive digital systems do NOT entice me. I really like the homebrew simple systems used in the past. Specifically a 3 coil sensing system and 4 verticals. Adcock array comes to mind. The ARRL HDBK has only a short sentence, perhaps

a paragraph regarding two fixed coils and a swinging link coil for sensing phase. It is really simple and interesting to me.

Before we go further, I'm not at all interested in VHF DF'ing. HF band, where the fun is. Additionally, a system like this could be used to beamform a transmission to your contact during a QSO, reducing QRM from other locations somewhat.

Anyway, I'm looking into simple DF systems with fixed antennas and rotating link, but not a goniometer type coupled system. Cost is prohibitive, snicker...

If anyone has a passive system they tried, I'd like to hear of it. I'll be sharing what I come up with when I begin any real work.

Oh, Oh! I found my resonant speaker packed away. Been enjoying very tight audio reception and AD6IT caught me last night with the little 49er rig I built for him. I gave him a 579 to my 549 he sent me. Perhaps that resonant speaker peaked him up to my ears. His 1 watt was huge! (5 watts from me)

72 all es enjoy ham radio! -Ed we6w

--

-Ed AR Millennium Q's=>1000/2000 QRP-L#1068 BB#101  
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

-----  
Date: Wed, 11 Aug 1999 12:45:18 EDT  
From: DENNISMO@aol.com  
To: qrp-l@lehigh.edu  
Subject: [47346] Virus Alert: "Bill Gates Joke" Varified  
Message-ID: <18c8cc57.24e3029e@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Gang,

I check it out and it looks like the real thing! Here is a good place to look for information: <A  
HREF="http://www.europe.datafellows.com/v-descs/monopoly.htm">F-Secure

Computer Virus Information Pages: Monopoly</A>

72 de Denny AD6EZ <><

-----  
Date: Wed, 11 Aug 1999 11:51:48 -0500  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [47347] RE: Virus Alert: "Bill Gates Joke" Varified  
Message-ID: <000001bee419\$cd7206b0\$ef5d6f81@uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Network Associates, the makers of McAfee don't have it on their site.  
<http://vil.nai.com/vllib/alpha.asp>

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU  
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> DENNISMO@aol.com  
> Sent: Wednesday, August 11, 1999 11:45 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Virus Alert: "Bill Gates Joke" Varified  
>  
>  
> Hi Gang,  
>  
> I check it out and it looks like the real thing! Here is a  
> good place to  
> look for information: <A  
> HREF="http://www.europe.datafellows.com/v-descs/monopoly.htm">  
> F-Secure  
> Computer Virus Information Pages: Monopoly</A>  
>  
> 72 de Denny AD6EZ <><  
>

-----  
Date: Wed, 11 Aug 1999 09:52:05 -0700  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: <jaywa5whn@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [47348] RE: Y2K contest announcement  
Message-ID: <NDBBLJFDGLBGFJB0GNELOEBGCAAA.mgipe@reliablemeters.com>  
MIME-Version: 1.0



Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

What do they put in the water at Ft. Tuthill?

I like it, especially the AC mains multiplier.

Mike K1MG

-----  
Date: Wed, 11 Aug 1999 09:59:16 PDT  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [47349] Wien Bridge Oscillator  
Message-ID: <19990811165917.21715.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Hi all,

This message is not exactly related to QRP or Ham radio even, but it may be of interest (at least it is to me) because it deals with a piece of homebrewed test equipment with potential Ham applications.

I have built a Wien Bridge Oscillator/Audio Signal Generator but am having problems with spurious operation at some frequencies and hope that someone can give me some advice. The circuit uses a TL072 dual OP-AMP; one section as the oscillator and the other as a voltage follower. The oscillator is the usual Wien bridge design with a dual audio taper 100K pot for adjustment, the pot sections are in series with 10K resistors (giving a 10X range per setting). There are six frequency ranges selected by a rotary switch (which inserts pairs of capacitors of different values). The feedback resistor is 390 ohm with a #387 (28V, 40 mA) lamp from the negative input to ground. Output from the oscillator feeds a 10K pot and thence to the voltage follower (allowing adjustment of the amplitude). The power supply is from a dual 12V source.

Now to the problem. The oscillator "oscillates", i.e. the amplitude becomes unstable, from about 56kHz to 132 kHz and then becomes stable again. At the worst part of the instability region the output amplitude rises up to the rails and then quickly dies back to 0 and starts over. The process repeats several times per second.

Also, the oscillator holds good amplitude regulation across all ranges (except where unstable) except that it "wobbles" a little each time the dial is adjusted.

Questions:

Any idea what is happening?

Is there any advantage to running one of these oscillators such that the lamp goes off light? In the current configuration the lamp does not draw enough current to give off light but it IS running at a significantly higher resistance than the cold resistance.

Is the amplitude wobble normal in such a circuit?

Best Regards,

Brad

---

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---

Date: Wed, 11 Aug 1999 10:12:01 -0700 (PDT)  
From: Paul Erickson <paule@sfu.ca>  
To: qrp-1@lehigh.edu (qrp), qrp-canada@lists.gpfn.sk.ca (qrp-canada)  
Subject: [47350] Source for low value trimmer caps?  
Message-ID: <199908111712.KAA16562@fraser.sfu.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi there,

I am building some small wattmeters and need a source of low value trimmer caps (preferably ceramic) that will go below 1pf. Something with a max of 3-5pf would be great. I am unable to find anything locally. Any suggestions?

cheers, Paul - VE7CQK - email: paule@sfu.ca

---

Date: Wed, 11 Aug 1999 13:18:23 -0400  
From: Ted Beach <k4mkx@netzero.net>  
To: wb5rue@stic.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [47351] Re: Virus Alert: "Bill Gates Joke" Varified  
Message-ID: <37B1B05F.6F2C262F@netzero.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Kevin Muenzler WB5RUE wrote:

>  
> Network Associates, the makers of McAfee don't have it on their site.  
> <http://vil.nai.com/villib/alpha.asp>

The reference was in the first posting of this notice:

<http://vil.nai.com/vil/vbs10234.asp>

Ted Beach

-----  
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-----  
Date: Wed, 11 Aug 1999 12:30:00 -0500  
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, zlau@arrl.org  
Subject: [47352] Re: Transmission Line Questions  
Message-ID: <CEFCBABHONFOMAAA@shared1-mail.whowhere.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Zack et al,

Zack's e-mail was really helpful in that it did confirm that really good quality coax can have very low losses, with dielectric losses being negligible at HF. But the LM-400 is a high quality coax with foam polyethylene dielectric. I'll bet that when you wind most wires, the insulation is not nearly as good a dielectric. I am really curious to see how the Thermaleze wire ends up performing.

Thanks all,  
Joel

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<http://www.eudoramail.com>

-----  
Date: Wed, 11 Aug 1999 10:35:47 -0700  
From: Danh Le <dle@san-jose.tt.slb.com>  
To: qrp-1@lehigh.edu  
Subject: [47353] FS: Yaesu FT890 with 400hz CW filter  
Message-ID: <4.1.19990811102212.00a95cf0@popper.san-jose.tt.slb.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi,

Since my K2 was completed and operational 3 weeks ago, I would like to offer my back up HF rig for sale. The Yaesu FT890 (predecessor to the FT900) is about 9 on 10 scale and is electrical perfect. It has a very nice custom 400hz CW filter installed. It can also put out from < 5w to > 100w of power. The radio comes with a brand new Yaesu microphone, power cord, and manual.

I would like to sale this radio for \$550.00 + shipping. Please email if you are interested.

72/73 de Dan, ke6d

PS: This radio DOES NOT have a built-in antenna tuner.

=====  
Danh Le, KE6D, Milpitas CA                      ke6d@arrl.net

-----  
Date: Wed, 11 Aug 1999 10:38:48 -0700 (PDT)  
From: Stanley Wilson <microres@crl.com>  
To: Paul Erickson <paule@sfu.ca>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [47354] Re: Source for low value trimmer caps?  
Message-ID: <Pine.SUN.3.91.990811103728.463B-100000@crl2.crl.com>

Mime-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Twist a couple of wires together then cut off the length until you get it tuned. Use solid wire. de stan ak0b

On Wed, 11 Aug 1999, Paul Erickson wrote:

> Hi there,  
>  
> I am building some small wattmeters and need a source of low value  
> trimmer caps (preferably ceramic) that will go below 1pf. Something  
> with a max of 3-5pf would be great. I am unable to find anything  
> locally. Any suggestions?  
>  
> cheers, Paul - VE7CQK - email: paule@sfu.ca  
>  
>  
>

-----  
Date: Wed, 11 Aug 1999 10:49:22 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: qrp-l@lehigh.edu  
Subject: [47355] Bulk gel-cell trickle charging.  
Message-ID: <37B1B7A2.6886@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Well gang, I think I've got the poor-person's gel-cell trickle charging system done. At least on paper. Perhaps there are some minor weaknesses in it but should work.

Basically I've inherited 9 or 10 7 AH gelcells. They are 12 volt and very nice. Bright orange for easy visibility!

Anyway, I wanted to keep them all topped up, but only use one at a time. What to do...

Ok, here's the plan:

FIRST: Charge all batteries individually with the same charger.

Second: Connect set the charged batteries on the bench from right to left, with the right-most battery

considered to be the next in line to use.

3rd: make interconnect harnesses with a diode in each one, anode to be connected to the battery on the right (Positive to positive of next battery). The battery at the right is #1 and is directly connected to the charger.

With the batteries all charged up there is minimum current flow in the initial state. I then use battery #1 and move the charger to battery #2, pulling out the interconnect with diode and the battery now gets charged to peak.

Battery #1 becomes low with use and gets charged by another charger and is put at the end of the string where it eventually settles at .7 volts lower than the maximum charge from the charger.

No matter how far down the string you go, the battery one-up the string will be only the diode voltage drop lower than the charging voltage and this is acceptable.

The only criteria is that a dead battery NEVER be connected to the string as the current flow from the battery ahead in the string would destroy the diode or push too much current into the dead battery.

With the caveat that one needs a second charger, it seems to be a simple system to keep all the batteries nearly topped up, and one battery ready to go.

Anyone have a simpler system or ideas not requiring expense or ordering special circuits? We are talking junk-box bulk trickle charging system here. Nothing fancy. We could put in fusible lights to monitor whether the system has an interconnect failure.

72/Ed we6w

--

-Ed AR Millennium Q's=>1000/2000 QRP-L#1068 BB#101  
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

-----  
Date: Wed, 11 Aug 1999 14:01:58 -0400  
From: Ted Beach <k4mkx@netzero.net>  
To: microres@crl.com  
Cc: qrp1 <qrp-1@lehigh.edu>  
Subject: [47356] Re: Source for low value trimmer caps?

Message-ID: <37B1BA96.A8DBE13A@netzero.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Stanley Wilson wrote:

>

> Twist a couple of wires together then cut off the length until you get it  
> tuned. Use solid wire. de stan ak0b

I was going to post the same idea which I used m-a-n-y years ago!  
Only good for a one-shot tuning, however, and could be trouble if  
the dikes shorting the capacitor while clipping would cause a  
problem!

Used to use the same idea to trim 300-ohm twinlead "traps" on tv  
sets to get rid of ghosts and unwanted signals.

Ted Beach

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Date: Wed, 11 Aug 1999 14:19:21 -0400  
From: hamjoel@juno.com  
To: qrp-l@lehigh.edu  
Subject: [47357] Wire / Rope Ant update  
Message-ID: <19990811.142017.-261599.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi everybodies:

Boy it's strange to see both the driven element and the director  
stretched out flat or at least parallel to each other... if u recall I am  
using end feed with 300 ohm twin lead on the driven element instead of  
hanging rg8u from the center of the driven element...

it works well... Easy to tune..... and receives well...even with forty  
kinda messed up... I also put up a sloping dipole for forty meters and am  
comparing it to the beam... and man that sloper works... stays within an  
s unit of the beam... and beats the beam on a lot of the close

stations.... I am impressed with the sloper...

does anyone kneaux if the sloper dipole has any gain over a conventional horizontal dipole???

I guess a vertical and a horizontal loop should be next... all on forty meters... looking for fox... Gonna do the cajun Fox Trot... fox gumbo... aligator bait... Lobster food...

Joel KE1LA

In Maine

---

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---

Date: Wed, 11 Aug 1999 14:26:46 -0400

From: Bill Cotter <bcotter@pop.uky.edu>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [47358] WTB: Communication Quarterly and QEX

Message-ID: <3.0.5.32.19990811142646.00a36ca0@pop.uky.edu>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi All,

I would like to buy issues of Communications Quarterly and QEX magazines. Please e-mail me what issues you have, price and condition. I also have many issues or QST, CQ and Ham Radio to trade.

73 es tnx Bill N4ALG

---

Bill Cotter, N4ALG

173 Carolyn Lane

Nicholasville, KY 40356-9340

E-mail: bcotter@pop.uky.edu

Home: (606) 887-5563,2402

Work: (606) 323-6474

ARRL      ARCI #9878      QRP1 #1646      QCWA #29393      FISTS #4535

---

---

Date: Wed, 11 Aug 1999 11:33:42 -0700

From: Bob Hightower <ki7mn@extremezone.com>

To: qrp-1@lehigh.edu

Subject: [47359] Paddlette Door Prize at Tuthill

Message-ID: <199908111836.LAA19344@enterprise.extremezone.com>



Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Somehow, I missed recording who won the Paddlette key as a door prize at Ft Tuthill. Bob Hammond, BHam379627@aol.com, needs to contact that individual re: a fix to cure false keying caused by RFI.

If you are the individual who won the key, please contact Bob directly for the fix.

Sorry for the BW, guys, but my mind must have been on a break at the drawing.

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

-----  
Date: Wed, 11 Aug 1999 13:43:31 -0500  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
To: "'Ted Beach'" <k4mkx@netzero.net>  
Cc: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Subject: [47360] RE: Virus Alert: "Bill Gates Joke" Varified  
Message-ID: <000001bee429\$6911f850\$ef5d6f81@uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Yes, you are correct. My initial search for "monopoly" turned up nothing. If I had entered "VBS/Monopoly" it would have found it.

Sorry

Kevin

-----  
Date: Wed, 11 Aug 1999 11:55:33 -0700  
From: "Doug Hauff" <slmachco@fix.net>  
To: <qrp-l@LeHigh.edu>  
Subject: [47361] DSW Enclosure Delay-Mia Culpa! (sp?)  
Message-ID: <199908111854.LAA24135@clark.fix.net>  
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The first twenty DSW enclosures I took to Dave Benson at Ft. Tuithill went like wildfire, the second batch is en route via UPS (I just can't bring myself to trust the PO with a box with several hundred bucks worth of stuff!)...The next batch is in work...It has been a matter of machine time, I have to share out the time on the CNC mill I use for engraving. I had told Dave they would all be complete before now, it ain't his fault if you are waiting for your DSW enclosure, I'm the guy you wanna yell at! You can call me at 805 5498065 if you want to complain to someone! 72 Doug Hauff  
KE6RIE

-----  
Date: Wed, 11 Aug 1999 13:54:31 -0500  
From: Dave Sjolín <sjolin@swbell.net>  
To: rwc@frii.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [47362] Re: Query/Proposal  
Message-ID: <37B1C6E7.31F9B262@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Rod Cercone wrote:

>  
> I've always thought it a nice courtesy to make an effort to great  
> non-native language speakers in their own language. So, Does anyone know  
> of a phrase book that has simple phrases and greetings in multiple  
> languages? Things like Hello, Good-bye, Please, Thank You...etc. that  
>

Rod, there was such a book available back in the 70's. Not sure if it still is. I believe I know where my copy is if you would like to see it.

73 de Dave, N0IT

-----  
Date: Wed, 11 Aug 1999 15:14:42 EDT  
From: Charles K Brown <n4so@juno.com>  
To: qrp-1@Lehigh.edu  
Subject: [47363] Russian callbook  
Message-ID: <19990811.191101.7703.2.n4so@juno.com>

Mike Eliuk VE6MY also has a callbook for Russians/  
Ukraine only.  
callbook.txt

Ken Brown, N4SO  
QTH nr Mobile, AL/ EM50tk  
qrp-1 #622  
n4so@juno.com

-----  
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-----  
Date: Wed, 11 Aug 1999 15:20:17 -0400  
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>  
To: qrp-1@lehigh.edu  
Subject: [47364] W1RFI/0  
Message-ID: <37B1CCF1.7741@arrl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi, QRP folks.

This weekend, I will be at the ARRL Colorado Section Convention, Sunday, August 15 at the Jefferson County Fairgrounds in Golden. Stop by the League booth and say hello.

If all goes as planned, I will be on the air as W1RFI/0 early Sunday evening, from somewhere near the hotel (I hope they have a picnic table.) Look for me and the Tuna Tin 2 around 7040 kHz starting about 2400 UTC on Sunday evening.

73,  
Ed, W1RFI

-----  
Date: Wed, 11 Aug 1999 15:41:04 -0400  
From: elawson@lr.net (Ed Lawson)  
To: qrp-1@lehigh.edu  
Subject: [47365] SST Howl Solved

Message-ID: <37B1D1D0.BD39D351@lr.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Thanks for all the responses to my question on the SST.  
Looking at the schematic made me think all the filter caps  
that were suggested are now on the board. Anyway,  
being the type who always tries the simplest solutions,  
I tried using different headphones as someone suggested  
and no longer a problem.

Ed Lawson

-----  
Date: Wed, 11 Aug 1999 13:33:35 -0600  
From: Rod Cerkoney <rwc@frii.com>  
To: slmachco@fix.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [47366] Re: DSW Enclosure Delay-Mia Culpa! (sp?)  
Message-ID: <19990811133335.45047@frii.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Doug:

Quality products & craftsmanship are worth the wait!

-rc-

On Wed, Aug 11, 1999 at 11:55:33AM -0700, Doug Hauff wrote:  
> The first twenty DSW enclosures I took to Dave Benson at Ft. Tuithill went  
> like wildfire, the second batch is en route via UPS (I just can't bring  
> myself to trust the PO with a box with several hundred bucks worth of  
> stuff!)...The next batch is in work...It has been a matter of machine time,  
> I have to share out the time on the CNC mill I use for engraving. I had  
> told Dave they would all be complete before now, it ain't his fault if you  
> are waiting for your DSW enclosure, I'm the guy you wanna yell at! You can  
> call me at 805 5498065 if you want to complain to someone! 72 Doug Hauff  
> KE6RIE

--  
72/3 NØRC  
Rod Cerkoney  
Fort Collins, CO

QRP-L #1764, NorCal, QRP ARCI, CQC & FISTS  
da di dah

-----  
Date: Wed, 11 Aug 1999 13:06:22 -0700 (PDT)  
From: Jim Hale <kj5tf@yahoo.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [47367] Re: Maintaining QRP Motivation - DX  
Message-ID: <19990811200622.15712.rocketmail@web702.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Good thread so had to toss in a couple thoughts.

With all the milliwatt activity I was wondering if  
there was any interest in a milliwatt DXCC  
certificate?

It would be done like the ARCI WAS, in that you dont  
have to work all 100 at mW levels. It would be done in  
25 country indorsments.

Many QRPp'ers agree - its easier to work DX with  
milliwatts than US states. Its true!

Hey ARCI, do you offer QRP (5w) DXCC in steps as you  
do the WAS?

When you've been active in QRP awhile working DX can  
get to be almost too easy.

Like someone said recently, time your callsign/QRP  
so the /QRP comes at a quiet moment in the pileup. The  
DX stn will often jump on you. I find that many DX'ers  
are experienced in QRP. Some will hold the pileup  
right there, and go to 5w too! Its happened to me  
several times.

72/71's de Jim KJ5TF

-----  
Do You Yahoo!?  
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 11 Aug 1999 13:20:47 -0700  
From: "Kory Hamzeh" <kory@avatar.com>  
To: <qrp-1@lehigh.edu>  
Subject: [47368] RE: NC20 power connector  
Message-ID: <001a01bee436\$ff87a840\$14ce21c7@tomcat.avatar.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The power problem was solved. Switching from a 2.5mm plug to a 2.1mm plug took care of that. Several people told me that my Sierra & SST are 2.1mm also and they also should not have worked with the 2.5mm plug. All I can say is that they do work.

Thanks to everyone for their helpful suggestions.

Kory  
AC6RN

-----  
Date: Wed, 11 Aug 1999 16:19:17 -0400  
From: Scott Howell <whowell@hq.nasa.gov>  
To: qrp-1@lehigh.edu  
Subject: [47369] [Handi-Hams] 2m HT for person with poor finger dexterity?  
Message-ID: <3.0.5.32.19990811161917.00814bb0@mail.hq.nasa.gov>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

this isn't exactly qrp, but if you could help this person, it would be greatly appreciated.

tnx es 73 de Scott/n3byy

>From: "Harry Marnell" <marnells@snowcrest.net>  
>To: <handi-hams@qth.net>  
>Subject: [Handi-Hams] 2m HT for person with poor finger dexterity?  
>Date: Wed, 11 Aug 1999 12:34:36 -0700  
>X-MSMail-Priority: Normal  
>X-Mailer: Microsoft Outlook Express 4.72.3110.1  
>X-Mimeole: Produced By Microsoft MimeOLE V4.72.3155.0  
>Sender: owner-handi-hams@qth.net

>  
>Looking for a 2-meter handheld for a Tech class person who's had a stroke  
>and has limited use of her fingers. Can use PTT and turn reasonably sized  
>knobs (1/4" or so), but not push buttons very well.  
>  
>A friend used to have a FT23 that, seemed to me pretty straight-forward and  
>goof-proof. Are there other models around, don't need more than 10  
>channels, extended Rx is NOT necessary, but PL tones are. DTMF optional.  
>Don't need UHF. Looking for something not too fancy (translated: not too  
>expensive), need not be new IF it works.  
>  
>Is EBAY a good source for buyers?  
>  
>Pls reply to marnells@snowcrest.net  
>  
>Harry Marnell, N6URU  
>  
>  
>  
>  
>  
>  
>  
>  
>  
>

-----  
Date: Wed, 11 Aug 1999 16:34:37 -0400 (EDT)  
From: Chris Cartwright Sr <ccart@phideaux.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [47370] A ground plane too far....  
Message-ID: <Pine.LNX.4.04.9908111601490.5314-100000@dns.phideaux.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Or, how far will people go for the perfect antenna:) I was looking through "Antenna Systems & Technology" and came across an inset that talked about the new 50 x 80 METER!! ground plane that Liberty Labs has installed for antenna testing. It's the worlds largest ground plane! Anyone near Kimballton, IA that can take a peek at this thing first hand?

It's supposed to be flat to within 4mm on the entire surface, and has steel mesh sloping away from it to minimize reflections from the edges. Who's gonna be the first to plop an SLV in there for a field event :)

You can take a look at it at :

<http://www.liberty-labs.com/PHOTO.HTML>

By the way, it rent's for \$1200 to \$1700 per day, if you *really* want to know how well your new "Fox-Raider 2000 Turbo" antenna is going to work for the upcoming hunting season:)

72

```
-- Chris Cartwright,   Technical Engineer   |       ccart@phideaux.com       --
-- N3XRV      ARRL-VE   Norcal Zombie #163   |   Gaithersburg, MD FM19je   --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

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Date: Wed, 11 Aug 1999 16:05:34 -0500  
From: "Chuck Adams K7Q0" <adams@ticnet.com>  
To: qrp-l@lehigh.edu  
Subject: [47371] Hambrew Magazine Trade  
Message-ID: <E11EeOn-00073U-00@pop3.ticnet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Gang,

The discussion came up the other day about Hambrew, a magazine for amateur radio designers and builders. Life of the magazine was from Autumn 1993 (what a lot of us call winter) until Spring 1997 (15 issues total).

I have a complete set. I would like to trade them for a mechanical laptop typewriter. I'll take the offer for the smallest one available from email that I get for the next two or three days. Must be working. .jpg would be nice of the typewriter. Give me the make and weight and size. I like to use a mechanical in the field and do have a use in the near future. :-)

I do have a reason for this. If I don't find a typewriter, then I'll offer another trade later.... I have checked pawn shops all over Dallas and all of them ceased taking mechanical typewriters of any kind. People have forgotten how to use a real QRP typewriter. ;-) And more probable



that parts and anyone that knows how to work on them  
have disappeared.

FYI

Chuck Adams K7Q0/5 adams@ticnet.com <http://www.qsl.net/k7qo/>

-----  
Date: Wed, 11 Aug 1999 17:02:17 +0100  
From: "Bob Duckworth" <wb4mnf@atl.org>  
To: "qrp" <qrp-1@lehigh.edu>  
Subject: [47372] Clandestine transmitter? No, that's just my PEECEE.  
Message-ID: <199908112110.RAA23719@hat-trick.atl.org>

Pekka has an interesting bit of SW for you guys who play radio and computer  
and ...SPY

<http://poseidon.pspt.fi/~priikone/english/programs.shtml#tempest>

-bob  
wb4mnf

-----  
Date: Wed, 11 Aug 1999 22:27:20 +0000  
From: "Mel Evans, Registered Arachne User" <mel@euramcom.freemove.co.uk>  
To: qrp-1@lehigh.edu  
Subject: [47373] low value caps  
Message-ID: <E11EfeY-0008KR-00.1999-08-11-22-11-18@mail11.svr.pol.co.uk>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi gangue,

Remember you can also use double sided circuit board for low value  
gimmick caps.

Fit a low value trimmer and set. Remove and measure value. Cut  
doublesided fibreglass circuit board to size, solder one wire to each

side, low value cap!= to value of trimmer.

The formula is in the handbook ISTR.

Regards

Mel  
GM6JAG

Arachne, the Fully Featured Browser for DOS, supports tables,  
graphics, animations, forms and HTML 4.0 Transitional Pages

<http://www.arachne4dos.freeseerve.co.uk>

e-mail to: gm6jag@arrl.net  
or: mel@euramcom.freeseerve.co.uk

72 & 73 de Mel  
GM6JAG  
Edinburgh Scotland UK  
Home of the last HW9

-----  
Date: Thu, 12 Aug 1999 09:16:57 +1200  
From: barry kirkwood <bjk@ihug.co.nz>  
To: qrp-1@Lehigh.EDU  
Subject: [47374] Q, losses etc  
Message-ID: <199908112116.JAA04997@smtp2.ihug.co.nz>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

So far nobody has managed to miniaturise "Q"...  
The antenna tuner manufacturers know what they are doing, which is to  
produce a product with acceptable performance at an acceptable price in a  
form acceptable to the customer.  
Hi Q antenna tuners are big and expensive....

My "Brand M" T match 100W nominal ATU running into a resistor load gives 20%  
more output on 80m with the cover off....coil is only a fraction of a  
diameter from the case...

In a famous series in QST (1960's?) "Station Design for DX" the author  
claims consensus that the difference between a Johnson 1kW Matchbox and the  
250W Matchbox (identical circuitry) could be HEARD on receive under marginal  
condx...advantage to the big job.

(The 250 w version a superior ATU even so!)

QRP encourages miniaturisation, but if you want efficiency in an antenna tuner, don't walk by those QRO capacitors and coils at the next junk sale. The Johnson jobs mentioned are collectables and will increase in value as well as being a joy to use...

73 es GL

Baz ZL1DD

end

Barry (Baz) Kirkwood PhD ZL1DD ex ZL1BN, ZL40K etc

Signal Hill

66 Cory Road

Palm Beach

Waiheke Island 1240

NEW ZEALAND

[www.waiheke.co.nz/signal.htm](http://www.waiheke.co.nz/signal.htm)

Ph/Fax 64-9-372-5161

-----  
Date: Wed, 11 Aug 1999 14:41:07 -0700

From: Donald Jones <djones@ckc.com>

To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>

Subject: [47375] FW: Free RF chokes and inductors

Message-ID: <01BEE407.B64A9E00.djones@ckc.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hello,

I haven't met a ham yet who will not take a look at something that is free.

I work for a EMI Test lab as a test engineer, this came my way via one of my co-workers so I thought I'd pass it along.

73,

Don Jones K07i

-----Original Message-----

Hi,

If you are interested in obtaining free samples of RF chokes/inductors, check out this website([www.wilcocorp.com](http://www.wilcocorp.com))

You get 5 samples of each type of product so you can pick various inductor values. You have to add each type of product to a online shopping cart which

makes it a little tedious but it's FREE.

Kevin

-----  
Date: Wed, 11 Aug 1999 17:49:07 EDT  
From: K2YEW@aol.com  
To: qrp-1@lehigh.edu  
Subject: [47376] STILL CAN'T FIND SOURCE FOR NEW MIZUHO HF QRP XCVR EQPT !  
Message-ID: <479a6397.24e349d3@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Looking for new Mizuho MX-14S 20 meter qrp rig. Need valad e-mail address or will will resort to valad snail mail address. Loads have jumped in to help me, but have drawn a blank after running down all leads.

72,

K2YEW  
Avenue  
York 11572

Norm Wesler  
2408 Washington  
Oceanside, New

K2YEW@AOL.COM

-----  
Date: Wed, 11 Aug 1999 18:20:37 EDT  
From: Dean W Manley <kh6b@juno.com>  
To: qrp-1@Lehigh.EDU  
Cc: w1rifi@arrl.net, kh6b@arrl.net  
Subject: [47377] Re: ARRL Tech Info Web Pages  
Message-ID: <19990811.122452.5399.1.kh6b@juno.com>

Ed:

I spent an hour yesterday at the ARRL Tech Info Web Pages.  
Very nice, easy to use and also very usefull. Any chance

to add the HI QRP Club web page to your QRP listings?

<http://chem.hawaii.edu/uham/hiqrp.html>

Ed wrote:

>  
> The ARRL Tech Info Web pages were just updated and reformatted. Take a  
> look at <http://www.arrl.org/tis/> and tell me what you think.  
>

-----  
Get the Internet just the way you want it.  
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-----  
Date: Wed, 11 Aug 1999 16:30:53 -0600  
From: John Evans - N0HJ <[jaevans@codenet.net](mailto:jaevans@codenet.net)>  
To: [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [47378] OT: Bright White LEDs  
Message-ID: <37B1F99D.62E57478@codenet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Greetings,

Quick question for those in the know. Who has  
a good reference or URL on getting to know these  
little guys for QRP lighting??

Thanks in advance,

72 - john

-- John A. Evans, N0HJ -- [jaevans@codenet.net](mailto:jaevans@codenet.net)

-----  
Date: Wed, 11 Aug 1999 18:36:57 -0400  
From: "Larry Przyborowski" <[lprzybski@erols.com](mailto:lprzybski@erols.com)>  
To: <[paule@sfu.ca](mailto:paule@sfu.ca)>, "Low Power Amateur Radio Discussion" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [47379] Re: Source for low value trimmer caps?  
Message-ID: <011e01bee44a\$06abfc80\$d982accf@k3peg>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

> I am building some small wattmeters and need a source of low value  
> trimmer caps (preferably ceramic) that will go below 1pf. Something  
> with a max of 3-5pf would be great. I am unable to find anything  
> locally. Any suggestions?  
>  
> cheers, Paul - VE7CQK - email: paule@sfu.ca  
>

Hi Paul and group:  
See [www.hosfelt.com](http://www.hosfelt.com) and ask for a catalog. They have ceramic trim caps made by Xicon. Closest to what you need is 1.8 to 6 pF, part # 24AA020 @ \$ 0.65 each (5 mm size pcb mount w/ solder tabs). They also have another which is a surface mount type: 1.8 to 6 pF, part # 24AA070 @ \$ 0.64 ea. (5mm size). Both are rated at 200 WVDC. A \$50 minimum order applies to orders to outside the U.S. however...

Get a catalog since what I've mentioned here isn't on their web pages as far as I could see. Their catalog has abt 164 pages of Lots of QRP parts and other things of interest .

Standard disclaimer: I don't work for them; I'm just a happy customer!

72 de Larry K3PEG -.-

-----  
Date: Wed, 11 Aug 1999 18:36:56 EDT  
From: n5ib@juno.com  
To: qrp-1@Lehigh.edu  
Subject: [47380] Re: plug-in coil sockets  
Message-ID: <19990811.172749.4767.12.N5IB@juno.com>

What a great bunch of folks - I've gotten lots of info and offers of the needed part. Even found a potential loving home for the coil set if I prove too dense to build a regen :^)

many thanks to all.....

72,  
Jim N5IB

-----  
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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

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End of QRP-L Digest 1545

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